10-08-09

PTO/SB/81A (12-08)

Approved for use through 11/30/2011. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT - POWER OF ATTORNEY OR **REVOCATION OF POWER OF ATTORNEY** WITH A NEW POWER OF ATTORNEY **AND** CHANGE OF CORRESPONDENCE ADDRESS

•	
Patent Number	7,058,707 09921294
Issue Date	06/06/2006
First Named Inventor	Richard Cerami
Title	PERFORMANCE MODELING IN A VDSL NETWORK
Attorney Docket Number	020366-077410US

I hereby revoke all previous powers of attorney given in the above-identified patent.							
		torney is submitted herewith.		·			
OR	·						
X	attorney(s) or	nt Practitioner(s) associated with the following Customer Number as my/our agent(s) with respect to the patent identified above, and to transact all business in tes Patent and Trademark Office connected therewith:					
OR							
	I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:						
		Practitioner(s) Name Registration Number					
ŀ							
}							
Please	Please recognize or change the correspondence address for the above-identified patent to:						
X		sociated with the above-mentioned Customer Nu	imber.				
OI	К						
		sociated with Customer Number:					
OR							
	Firm or Individual Name						
Addres	ss						
City			State	Zij	0		
Counti			[F 9]				
Teleph			Email				
l am the:							
Inventor, having ownership of the patent. OR							
∇ Patent owner.							
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on SIGNATURE of Inventor or Patent Owner							
Signa	turo	A A A A A A A A A A A A A A A A A A A	The state of the s	Date October 1	2009		
Signa		Mollybeth Kocialski	- my fr	Telephone 303-383-6			
	and Company	Senior Attorney, Qwest Communications Intern	ational Inc.	1 reliabilities 555 565 6			
NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.							
Total of 1 forms are submitted.							

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/96 (01-09)

Approved for use through 01/31/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Qwest Communications International Inc.	
	d/Issue Date: 06/06/2006
Titled: PERFORMANCE MODELING IN A VDSL NETWORK	
Qwest Communications International Inc. , a corporation	·
	e, e.g., corporation, partnership, university, government agency, etc.
states that it is:	
1. X the assignee of the entire right, title, and interest in;	
2. an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is	%); or
3. the assignee of an undivided interest in the entirety of (a complet	e assignment from one of the joint inventors was made)
the patent application/patent identified above, by virtue of either:	
An assignment from the inventor(s) of the patent application/pate the United States Patent and Trademark Office at Reel 012689 copy therefore is attached.	ent identified above. The assignment was recorded in process. The assignment was recorded in the process of the second of the se
B. A chain of title from the inventor(s), of the patent application/pate	nt identified above to the current assignee as follows:
	To:
The document was recorded in the United States Pater Reel, Frame	
, I fame	
2. From:	To:
The document was recorded in the United States Pater	
Reel, Frame	, or for which a copy thereof is attached.
3. From:	То:
The document was recorded in the United States Pate	
Reel, Frame	
Additional documents in the chain of title are listed on a supplem	
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of th or concurrently is being, submitted for recordation pursuant to 37 CFF	te chain of title from the original owner to the assignee was, ${\sf R}$ 3.11.
[NOTE: A separate copy (i.e., a true copy of the original assignment accordance with 37 CFR Part 3, to record the assignment in the record	document(s)) must be submitted to Assignment Division in rds of the USPTO. See MPEP 302.08]
The undersigned (whose title is supplied below) is authorized to act on beha	If of the assignee.
Moll Noth Kocialske for M	October 1, 2009
Signature	Date
Mollybeth Kocialski	Senior Attorney
Printed or Typed Name	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.